Release B CDR RID Report

Date Last Modified 7/1/96

Originator   Ben Kobler

Phone No

RID ID CDR 75	
Review Release B CDR	
Originator Ref	
Priority 2	

Organization

E Mail Address

Document

Section	**Page**	**Figure Table**

Category Name   Data Server (DSS) Design

Actionee   ECS

Sub Category

Subject   Local Backup Copy should be to a different tape drive

Description of Problem or Suggestion:

One common failure for archives is for the drive to go bad and start trashing tapes. If the backup copy is read using the same tape drive as the original, that backup copy could also be trashed.

Originator's Recommendation

Ensure that a tape that is being restored as a result of a failed drive is not restored on the bad drive.

GSFC Response by: **GSFC Response Date**

HAIS Response by: **HAIS Schedule**

HAIS R. E.   J. Smith   **HAIS Response Date**   6/26/96

We agree with the RID originator. With one ATL at a DAAC, the potential exists that a drive can start deteriorating and its deterioration may not always be "caught" soon enough by operations personnel to prevent undetected data loss/corruption on original and backup tape media.

The design for local backups of archived data has subsequently been modified to address and resolve this very real problem.   Very briefly, for those DAACs with only one ATL, local backups will be performed external to the ATL on tape devices selected by Operations personnel.   Operations personnel have the responsibility for maintaining a configuration file which specifies which data types are backed up, which devices will be used for the backup   The reason for performing the backups on devices external to the ATL is quite simply that, the AMASS COTS product does not provide the capability to specify which drive to use for a specific file archive operation.

Status   **Closed**   **Date Closed**   **7/1/96**   **Sponsor**   **Kobler**

****** Attachment if any ******